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U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
In Cooperation With
Ohio Agricultural Experiment Station
OHIO DIVISION OF FORESTRY

Technical Note 17. August 1, 1940.

VOLUME TABLE 1/
for
SUGAR MAPLE
(Acer saccharum)
Stark County, Ohio

Merchantable Stem to a Variable Top Diameter — INTERNATIONAL Rule (¼" Kerf)

Diameter breast high outside bark (inches)	Volume of stem in 12.3-foot logs to merchantable height						Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	6 logs	
	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Number
10	30	51	68	83			-
11	38	65	87	106			2
12	48	81	109	133			7
13	59	99	133	162	188		4
14	71	121	162	197	230	260	1
15		142	190	231	269	305	3
16		165	220	269	313	354	3
17		188	251	307	358	404	6
18		215	284	347	404	457	4
19		242	323	394	458	519	3
20		268	358	437	508	575	7
21		296	395	482	561	635	7
22		324	433	527	614	695	2
23				574	668	757	2
24				623	724	817	4
25				673	783	887	2
26				721	840	951	3
27				771	897	1016	2
28				822	957	1084	3
29					1014	1148	3
30					1074	1221	2
31					1140	1291	2
32					1202	1361	-
33					1276	1445	-

Basis in trees--number	-	6	7	24	27	8	72

1/ Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 -- "The Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Table prepared in 1940, by the equation method. Coefficient of multiple correlation (R) = .983. Standard error of estimate, 86.7 to 115.3 percent.

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